INTERNATIONAL SEÁRCH REPORT

International application No.

PCT/FI 2004/000652

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C08J 5/18, B29C 55/00 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C08J, B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

X Further documents are listed in the continuation of Box C.

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 0119596 A1 (NATURAL COLOUR KARI KIRJAVAINEN OY), 22 March 2001 (22.03.2001), page 1 - page 2, page 5; page 7, line 21 - page 8, line 31; claims 1-26	1-26
		
Y	WO 0172885 A1 (HYBRID PLASTICS LLP), 4 October 2001 (04.10.2001), page 3, line 18 - line 21; page 4 - page 5, claim 10, abstract	1-26
	- 	
Υ.	WO 0076634 A1 (GAS SEPARATION TECHNOLOGY, INC.), 21 December 2000 (21.12.2000), page 2 - page 3; page 20; page 36, page 39, line 14 - page 40, line 4	1-26

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*	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance		later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention				
"A"							
"E"	"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		document of particular relevance: the claimed invention cannot be				
"L"			considered novel or cannot be considered to involve an inventive step when the document is taken alone				
i	special reason (as specified)	"Y"	document of particular relevance: the claimed invention cannot i				
″0"	document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art				
"P"	document published prior to the international filing date but later than		• • • • • • • • • • • • • • • • • • • •				
L	the priority date claimed	*&*	document member of the same patent family				
Date	Date of the actual completion of the international search		Date of mailing of the international search report				
lai	February 2005						
L			1 4 -02- 2005				
Nan	Name and mailing address of the ISA/		Authorized officer				
Swe	Swedish Patent Office		· ·				
Box	Box 5055, S-102 42 STOCKHOLM		Johanna Brolund/MP				
Facs	Facsimile No. +46 8 666 02 86		Telephone No. +46 8 782 25 00				

X See patent family annex.

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No. PCT/FI 2004/000652

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
P,X	US 20040062888 A1 (RUBEN GARCIA CRUZ),	1,2,15-17
Ρ,Χ	1 April 2004 (01.04.2004), page 2 paragraph (0019) - (0022), page 3, paragraph (0024) - (0026)	1,2,15-17
P,A		3-14,18-26
Р,Х	DE 10304735 A1 (CREAVIS GESELLSCHAFT FUR TECHNOLOGIE UND INNOVATION MBH), 8 July 2004 (08.07.2004), page 2, paragraph (0011)-(0013); page 3, paragraph (0017); page 5, (paragraph (0025); page 7, paragraph (0037); claim 1-3,12,18; abstract	1-7,9-11, 15-19,21
P,A		8,12-14,20, 22-26
A	US 4654546 A (KARI KIRJAVAINEN), 31 March 1987 (31.03.1987), column 1-2,5-6	1-26
A	WO 03035232 A1 (EXXONMOBIL OIL CORPORATION), 1 May 2003 (01.05.2003)	1-26
A	DE 10249563 A1 (CREAVIS GESELLSCHAFT FÜR TECHNOLOGIE UND INNOVATION MBH), 28 May 2003 (28.05.2003)	1-26
	· —	
A	JOURNAL OF APPLIED POLYMER SCIENCE Nago, Satoshi et al. "Microporous polypropylene sheets containing polymethylsilsesquioxane" vol. 50, nr. 10, 1993, page 1815-22	1-26

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/01/2005

International application No. PCT/FI 2004/000652

MO	0119596	A1	22/03/2001	AU CN DE EP FI JP US	772970 7004500 1373706 60010294 1216137 107035 991934 2003509239 6793854	A T D	13/05/2004 17/04/2001 09/10/2002 00/00/0000 26/06/2002 00/00/0000 10/03/2001 11/03/2003 21/09/2004
WO	0172885	A1	04/10/2001	AU EP JP US US	4946501 1268635 2003533553 6716919 20020052434		08/10/2001 02/01/2003 11/11/2003 06/04/2004 02/05/2002
WO	0076634	A1	21/12/2000	AU CA EP US US	6425936 6558455	A A	02/01/2001 21/12/2000 08/05/2002 30/07/2002 06/05/2003 20/02/2003
US	20040062888	A1	01/04/2004	WO US	2004028795 20040062834		08/04/2004 01/04/2004
DE	10304735	A1	08/07/2004	DE	10304734	A	08/07/2004
US	4654546	A	31/03/1987	AT DE DK EP SE JP JP NO	61706 3582121 533685 0182764 0182764 1832721 61148044 854629	D A	15/03/1991 00/00/0000 21/05/1986 28/05/1986 29/03/1994 05/07/1986 21/05/1986
WO	03035232	A1	01/05/2003	CA EP US	2464328 1436071 20020132107	A	01/05/200 14/07/200 19/09/200
DE	10249563	A1	28/05/2003	WO	03042292	Α	22/05/200
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